FIG. 1

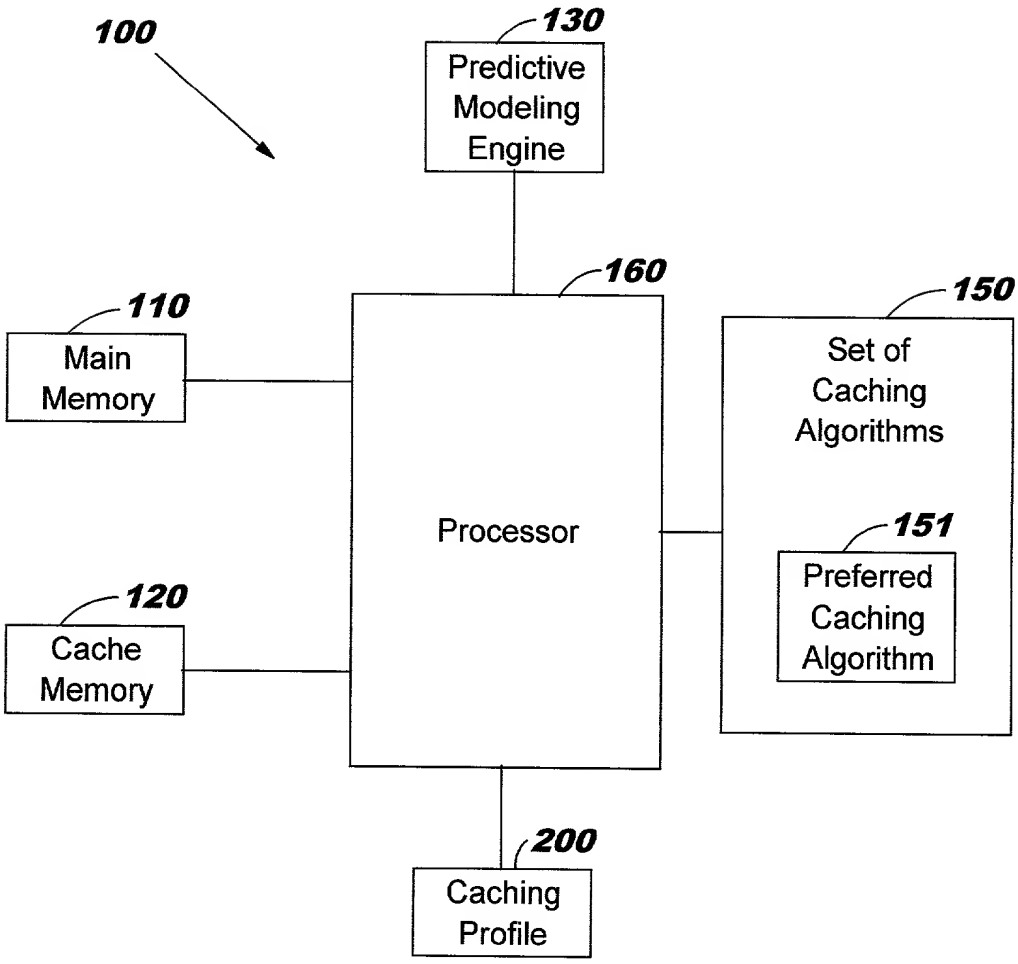

100
130
Predictive Modeling Engine
160
110
Main Memory
150
Set of Caching Algorithms
Processor
151
Preferred Caching Algorithm
120
Cache Memory
200
Caching Profile

FIG. 2

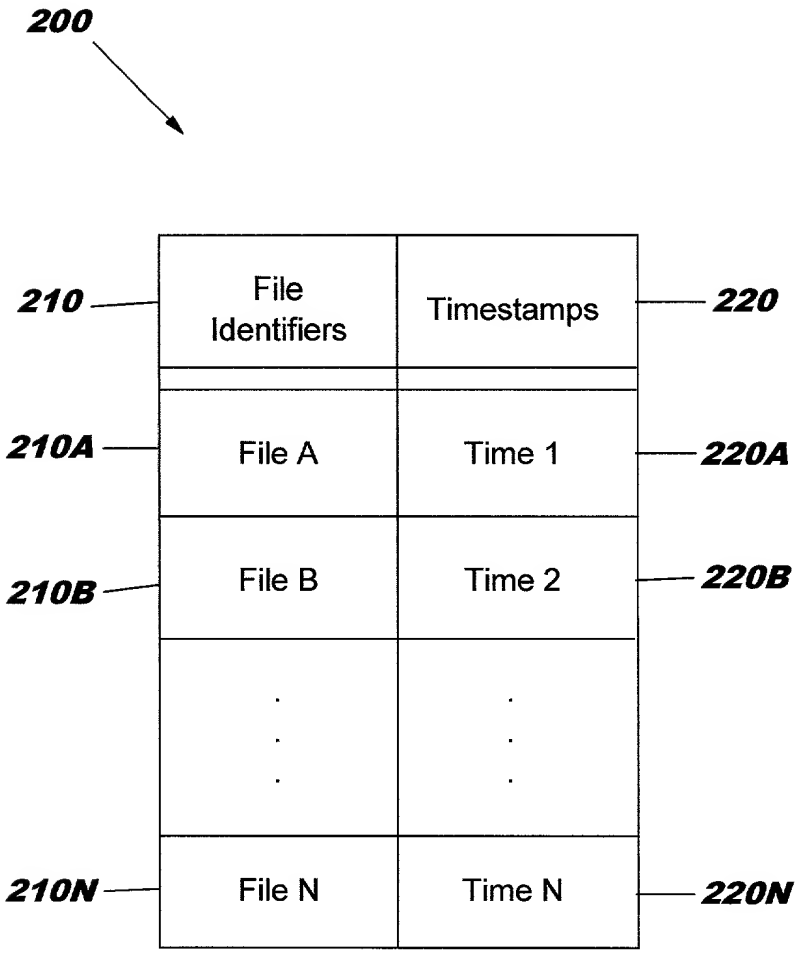

200
210
File Identifiers
Timestamps
220
210A
File A
Time 1
220A
210B
File B
Time 2
220B
210N
File N
Time N
220N

FIG. 3

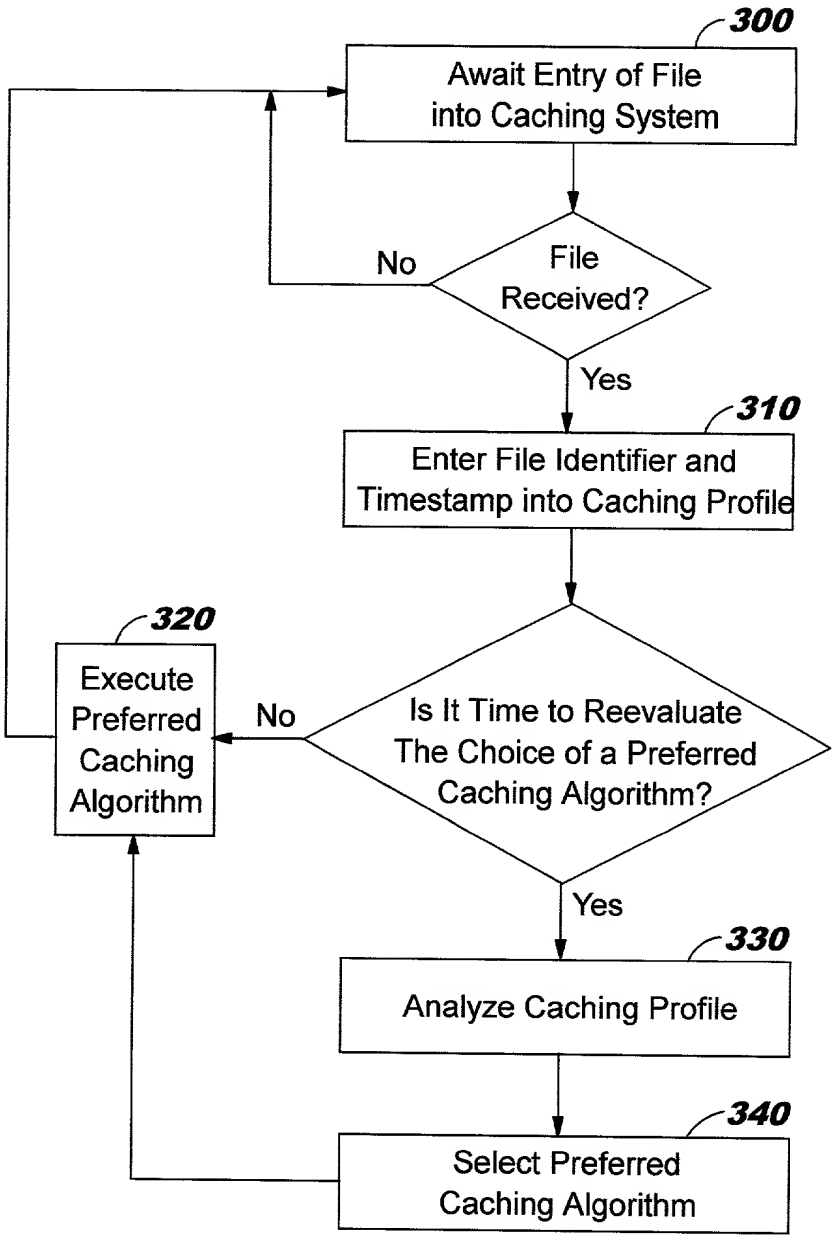
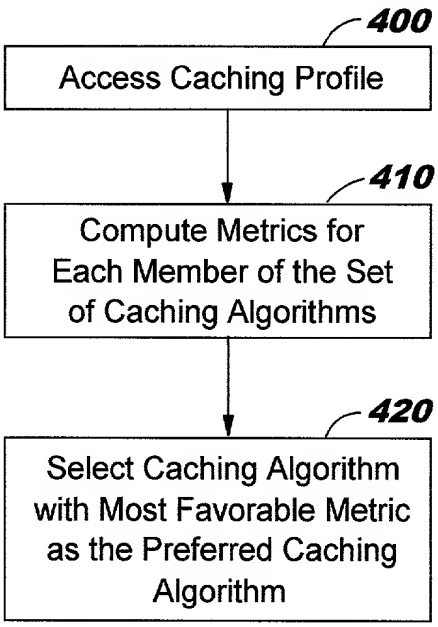

300
Await Entry of File into Caching System
File Received?
No
Yes
310
Enter File Identifier and Timestamp into Caching Profile
320
Execute Preferred Caching Algorithm
No
Is It Time to Reevaluate The Choice of a Preferred Caching Algorithm?
Yes
330
Analyze Caching Profile
340
Select Preferred Caching Algorithm

FIG. 4


400
Access Caching Profile
410
Compute Metrics for Each Member of the Set of Caching Algorithms
420
Select Caching Algorithm with Most Favorable Metric as the Preferred Caching Algorithm